

Work Order ID 81078

March-08-12 8:41:56 AM

81078

Page 1

Item ID: D412-742-013

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Item Name: Float Skidtube Installation

Stop ***NS2***

Start Date: 08/03/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 22/03/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 12/03/08 Tooling:

Date:

Run Start ***NR1***

QC:

Date: SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
----------	--------------

IIN D412-742	E
--------------	---

100

100

DOCUMENT CONTROL

JB

0.00

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D412-742-013 CHG007

6/26/07

MLJ 12/04/04

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

JB

12/04/04

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

0.00

Quality Control

6/26/07

70 ->

B79950

Dart Aerospace Ltd

W/O: 61078		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: D412-742-013 PAR #: Fault Category: Prod Eng NCR: Yes No DQA: Date: 12/04/14
 Resolution: Rework Disposition: Rework QA: N/C Closed: Date: 12/4/16

NCR: 12-1353		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
12/4/13	#100	Part missing on wlo parts list to IIN instruction. Re wlo + Bom create monthly.	S 057047 12/4/13	ADD missing parts to 12/4/13 A14C47A Bolt M 112778 04 ft M121609		S 12/4/13	S 12/4/13 057047	S 12/4/13
			S 057047 12/4/13	update wlo + Bom. ADD copy of Bom for Ref			S 12/4/13 057047	S 12/4/13

NOTE: Date & initial all entries

Work Order ID 81078***81078***

Page 2

March-08-12 8:41:56 AM

Item ID: D412-742-013

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Float Skidtube Installation

Start Date: 08/03/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 22/03/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00

130

Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D412-742-013
Location: _____

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

MLJ 12/04/13

112-09-13

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March-08-12 8:41:59 AM

Page 1

Work Order ID: 81078

81078

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev: A05.10.13 New Issue KJ/JLM
 IPP Rev: B 06-06-08 As per DSI9336 JLM IPP Rev: C
 07-12-03 ECN 1072 DD verified by: JLM
 IPP Rev: D 08-09-08 ecn 08-510 DD verified by: EC
 IPP Rev: E 09-01-23 as per DSI9441 DD verified by: EC IPP Rev: F: add
 AN4C7A DD 10.01.13 verified by: EC IPP Rev: G 11.11.01 as per
 DSI9517 REV.B DD verified by: EC IPP rev: H 12.01.12 PER IIN
 REV.E DD VERF:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D412-742-043

Manufactured

No

110

Each

0.0000

1

1

**

799585

D412-742-043

Replacement Float Skidtube

D2571

Manufactured

No

110

Each

10.0000

1

1

**

80828 JB

12/04/04

D2571

Saddle, Fwd Out 205

Location

Loc Qty

Loc Code

ST

1

11644

1

ST425

-13

ST432

9

78239

1

79425

2

79977

6

ST433

13

D2572

Manufactured

No

110

Each

6.0000

1

1

**

B82050

SP

12-04-10

D2572

Saddle, Fwd In 205

Location

Loc Qty

Loc Code

ST432

6

71107

2

79978

4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March-08-12 8:41:59 AM

Page 2

Work Order ID: 81078

81078

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

D2573 Manufactured No

110 Each 0.0000 1

D2573

Saddle, Aft Out 205

**

B81221

Location

Loc Qty

Loc Code

ST423

-12

79424

0

ST434

12

D2574 Manufactured No

110 Each 0.0000 1

D2574

Saddle, Aft In 205

**

B8220

D2876 Manufactured No

110 Each 103.0000 2

D2876

Saddle Spacer

**

2

2

✓

JB

AD

Location

Loc Qty

Loc Code

ST020

102

79693

102

ST025

1

76949

1

D2877 Manufactured No

110 Each 53.0000 2

D2877

Saddle Spacer

**

2

2

✓

JB

12/04/04

Location

Loc Qty

Loc Code

ST020

53

77052

1

78843

52

78843

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March-08-12 8:41:59 AM

Page 3

Work Order ID: 81078

81078

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

D3403-1

Manufactured No

110

Each

107.0000

8

8

**

D3403-1

Bushing

Location

Loc Qty

Loc Code

ST041

15

70696

15

ST042

92

80208

40

80219

52

80219

D3403-5

Manufactured No

110

Each

79.0000

8

8

**

D3403-5

Bushing

Location

Loc Qty

Loc Code

ST042

79

79740

47

80221

32

79740

D2747

Manufactured No

110

Each

154.0000

4

4

**

D2747

Set Screw

Location

Loc Qty

Loc Code

ST017

154

77484

54

79520

100

79520

D3533-1

Manufactured No

110

Each

98.0000

2

2

**

D3533-1

Set Screw

Location

Loc Qty

Loc Code

ST053

90

80326

90

ST054

8

77611

8

80326

March-08-12 8:41:59 AM

Shop Packet Print

Page 3

12/04/04

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March-08-12 8:41:59 AM

Page 4

Work Order ID: 81078

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

81078

D412-742-013

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

AN4C6A Purchased No

110 Each 358.0000 16 16

AN4C6A

Bolt

**

✓ JB

Location

Loc Qty

Loc Code

FG 4
103344 4
ST356 354
116704 7
119749 47
120423 200
120521 100

AN4C53A Purchased No

110 Each 6.0000 4 4

AN4C53A

Bolt

**

120521
121183 JB

Location

Loc Qty

Loc Code

ST361 6
120754 6

AN4C52A Purchased No

110 Each 168.0000 4 4

AN4C52A

BOLT

**

JB 12/04/04

Location

Loc Qty

Loc Code

ST361 168
117688 6
119641 12
120364 100
120465 50

120465

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March-08-12 8:41:59 AM

Page 5

Work Order ID: 81078

81078

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

AN6C12A Purchased No

110 Each 48.0000 8 8

AN6C12A

BOLT

**

Location

Loc Qty

Loc Code

ST341

48

119862

-2

120423

50

D3672-3 Manufactured No

110 Each 706.0000 32 32

D3672-3

Phenolic Washer

**

Location

Loc Qty

Loc Code

ST060

706

64176

180

76278

26

80370

500

AN960C416L NAS1149C0432R Purchased No

110 Each 0.0000 32 32

*AN960C416I *

WASHER

D3672-9 Manufactured No

110 Each 64.0000 8 8

D3672-9

Phenolic Washer

**

Location

Loc Qty

Loc Code

ST060

64

35523

64

NAS1149C0632R Purchased No

110 Each 75.0000 8 8

NAS1149C0632R

WASHER

**

Location

Loc Qty

Loc Code

ST297

75

119736

25

120308

50

March-08-12 8:41:59 AM

Shop Packet Print

Page 5

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March-08-12 8:41:59 AM

Work Order ID: 81078

81078

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

D3672-11 Manufactured No

110 Each 411.0000 8 8

D3672-11

Phenolic Washer

**

JB SP

Location

Loc Qty

Loc Code

ST060

411

77483

411

77483

MS21043-4

Purchased No

110 Each 1,257.000 29 29

MS21043-4

Nut

**

JB SP

Location

Loc Qty

Loc Code

FG

40

104603

40

ST301

1217

119546

435

120308

782

120308

D3591-1

Manufactured No

110 Each 55.0000 2 2

D3591-1

Bushing

**

82027 JB

Location

Loc Qty

Loc Code

FP

54

77496

14

80377

40

ST055

1

57350

1

D3403-3

Manufactured No

110 Each 58.0000 8 8

D3403-3

Bushing

**

JB 12/04/04

Location

Loc Qty

Loc Code

ST042

58

80209

6

80220

52

80220

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March-08-12 8:41:59 AM

Page 7

Work Order ID: 81078

81078

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

D3405-041

Manufactured No

110 Each

4.0000

1

1

D3405-041

Lug Assembly

**

B820315

Location

Loc Qty

Loc Code

ST478

4

62227

2

77000

2

D3405-043

Manufactured No

110 Each

2.0000

1

1

D3405-043

Lug Assembly

**

~~28877 JB~~
B82038

Location

Loc Qty

Loc Code

ST423

2

65703

2

AN4C7A

Purchased No

110 Each

219.0000

4

4

AN4C7A

Bolt

**

JB

Location

Loc Qty

Loc Code

ST356

219

109147

219

D3407-041

Manufactured No

110 Each

1.0000

1

1

D3407-041

Tow Ring

**

109147
78877 JB 12/04/04

Location

Loc Qty

Loc Code

ST463

1

76991

1

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March-08-12 8:41:59 AM

Page 8

Work Order ID: 81078

81078

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

D3417-3

Manufactured No

110

Each

18.0000

2

2

**

D3417-3

Washer

Location

Loc Qty

Loc Code

FG

9

33519

9

ST042

9

66847

9

66847

D3456-1

Manufactured No

110

Each

89.0000

1

1

**

D3456-1

Washer

Location

Loc Qty

Loc Code

FG

7

25701

7

ST034

16

77486

16

ST044

66

66848

3

71165

2

73493

11

80252

50

80252

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March-08-12 8:41:59 AM

Page 9

Work Order ID: 81078

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

81078

D412-742-013

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

AN3C37A

Purchased

No

110

Each

178.0000

1

1

**

AN3C37A

BOLT

Location

Loc Qty

Loc Code

ST354

178

116874

11

117010

2

118709

15

119324

25

120308

25

120422

50

120731

50

120422

AN3C40A

Purchased

No

110

Each

49.0000

1

1

**

AN3C40A

BOLT

Location

Loc Qty

Loc Code

ST354

49

112454

5

114442

44

114442

AN3C41A

Purchased

No

110

Each

144.0000

1

1

**

AN3C41A

BOLT

Location

Loc Qty

Loc Code

FG

4

103324

4

ST354

140

119324

16

119530

44

119673

50

120753

30

12/04/04

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March-08-12 8:41:59 AM

Page 10

Work Order ID: 81078

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

81078

D412-742-013

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

AN3C42A Purchased No

110 Each 47.0000 1 1

**

AN3C42A
BOLT

Location

Loc Qty

Loc Code

ST354

47

106176

1

118131

2

119673

19

120464

25

119673

AN3C43A Purchased No

110 Each 169.0000 4 4

**

AN3C43A
BOLT

Location

Loc Qty

Loc Code

ST354

169

114455

2

119673

1

120364

66

120465

100

120364

AN3C46A Purchased No

110 Each 85.0000 5 5

**

AN3C46A
BOLT

Location

Loc Qty

Loc Code

ST355

85

119673

5

120447

60

120755

20

120755

AN960C10L NAS1149C0332 Purchased No

110 Each 0.0000 26 26

**

AN960C10I
washer

121255 JB 12/04/04

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March-08-12 8:41:59 AM

Page 11

Work Order ID: 81078

81078

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

MS21043-3

Purchased

No

110

Each

999.0000

13

13

**

MS21043-3

Nut

Location

Loc Qty

Loc Code

FG

72

103691

72

GA

350

120693

350

ST300

84

119901

84

ST301

493

118077

2

~~118614~~

441

118686

30

119758

20

118614

12/04/04

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries